

# Lotioncrafter

532 Point Lawrence Road  
Olga, WA 98279  
Tel: 360-376-8008

## Stearic Acid

## INCI: Stearic Acid

---

### 1. Chemical Product and Company Identification

**Product Name:** Emersol 7036 Vegetable Stearic Acid, NF, Food Grade, Kosher  
Food Grade Acids are Free of Chick Edema Factor.  
**Product Description:** Saturated Acids (Food Grade)  
**CASRN:** 57-11-4  
**Manufacturer:** Cognis Corporation  
S Kensington Road  
Kankakee, IL 60901 FAX: 708-579-1481

**Emergency Numbers:** Chemtrec 800-424-9300

---

### 2. Composition/Information on Ingredients

Chemical	Concentration (Wt.%)	Exposure Limits
Hexadecanoic Acid CASRN 57-10-3	59.0%	None Established
Octadecanoic Acid CASRN 57-11-4	40.0%	
Tetradecanoic Acid CASRN 544-63-8	1.0%	None Established

---

### 3. Hazards Identification

#### Emergency Overview

#### Non Hazardous

#### White Waxy Solid

#### Inhalation:

No information available.

#### Ingestion:

Considered to be non-toxic by animal tests.

#### Skin Contact:

This material is not classified as a skin irritant.

#### Eye Contact:

This material is not classified as an eye irritant.

#### Chronic Effects:

None known

#### Other Health Effects:

None known

**Primary Routes of Exposure:** Skin, Oral

---

## 4. First Aid Measures

**Inhalation:**

Immediately remove victim to fresh air. If victim has stopped breathing give artificial respiration, preferably, mouth to mouth. Get medical attention immediately.

**Ingestion:**

Do not induce vomiting. Never give anything by mouth if victim is unconscious or having convulsions. Call a physician or poison control center immediately.

**Skin Contact:**

Wash affected area with soap and water.

**Eye Contact:**

Immediately flush eyes with plenty of cool water for at least 15 minutes. Do not let victim rub eyes. Get medical attention if irritation develops.

---

## 5. Fire Fighting Measures

**Flash Point: 365 Deg F (Cleveland Open Cup)**

**LFL:** Not Determined      **UFL:** Not Determined

**Autoignition Temperature:**

Not Determined

**Recommended Fire Extinguishing Media:**

Carbon dioxide, dry chemical, foam, water spray

**Special Fire Fighting Procedures:**

Use water spray, dry chemical, foam or carbon dioxide. Water may be ineffective but should be used to keep fire-exposed containers cool. If a spill or leak has not ignited, use water spray to disperse the vapors. Water spray may be used to flush spills away from fire.

**Unusual Fire or Explosion Hazards:**

Perform only those fire fighting procedures for which you have been trained. Firefighters should wear self contained breathing apparatus in the positive pressure mode with a full facepiece when there is a possibility of exposure to smoke, fumes or hazardous decomposition products.

Stearic acid powder is a flammable dust. Concentrations as low as 0.017 oz/cu ft in air can burn, and if ignited in a confined space can explode.

**Hazardous Combustion Products:**

Decomposition may produce carbon monoxide and carbon dioxide.

---

## 6. Accidental Release Measures

**Steps To Take In Case Of Spill Or Leak:**

Add dry material to absorb spill (if large spill, dike to contain). Using recommended protective equipment, pick up bulk of spill and containerize for recovery or disposal. Flush area with water to remove residues.

---

## 7. Handling and Storage

Store in a cool dry area. Keep in closed or covered containers.

---

## 8. Exposure Controls/Personal Protection

**Respiratory Protection:**

Nuisance dust mask if use causes dusting.

**Skin Protection:**

Rubber gloves.

**Eye Protection:**

Safety glasses with side shields.

**Engineering Controls:**

General ventilation.

---

## 9. Physical and Chemical Properties

**Physical State:**

Solid

**Appearance:**

White waxy solid

**Odor:**

Fatty acid odor

**Odor Threshold:**

Not determined

**Solubility in Water:**

Insoluble

**Specific Gravity:**

0.85

**pH:**

Not determined

**Melting Point:**

54 – 56 Deg. C

**Boiling Point:**

215 Deg C

**%Volatiles (by Wt.):**

Not determined

**Vapor Density:**

Not determined

**Vapor Pressure (mm Hg):**

Not determined

**Evaporation Rate (BuAc=1):**

Not determined

**VOC Content (EPA Method 24):**

0.0%

---

## 10. Stability and Reactivity

**Stability:**

Normally stable

**Hazardous Decomposition Products:**

Decomposition produces carbon monoxide and carbon dioxide.

**Hazardous Polymerization:**

Will not occur.

**Incompatible Materials:**

Strong acids, bases and oxidizing agents.

**Conditions to Avoid:**

Strong acids, bases and oxidizing agents.

---

## 11. Toxicological Information

**Type of Study**

Skin Irritation

Oral LD (50)

**Results**

0 (Scale 0-8)

>10.0 g/kg

**Species**

Rabbit

Rat

---

## 12. Ecological Information

**Environmental Fate:**

Not determined.

**Environmental Toxicity:**

Not determined.

---

## 13. Disposal Considerations

All recovered material should be packaged, labeled, transported, and disposed or reclaimed in conformance with applicable laws and regulations and in conformance with Good Engineering Practices. Avoid landfilling of liquids. Reclaim where possible.

---

## 14. Transport Information

**Acid, Fatty of Vegetable Oil, NOI (Kosher)**

NMFC: 145100 Sub 1

The information provided is for domestic highway transportation only. This product may be regulated differently when shipped in other types of containers or by modes other than that addressed by this section of the MSDS. For information, please contact Regulatory Affairs at 513/482-5022.

For RQ applicability, please see Section XV.

---

## 15. Regulatory Information

**TSCA Inventory Status:** This product and/or all of its components are either included on or exempt from the TSCA Inventory of Chemical Substances.

**TSCA 12(b) Components:** None

**SARA 311/312 Hazard Categories:** None

**SARA 313 Toxic Chemicals:** None

**SARA 302 Extremely Hazardous Substances:** None

**CERCLA Hazardous Substances:** None

**California Proposition 65 Components:** None

---

## 16. Other Information

**HMIS Ratings:** Health: 1 Flammability: 1 Reactivity: 0

**NFPA Ratings:** Health: 1 Flammability: 1 Reactivity: 0 Other: None

**Disclaimer:**

\*\*\*\*\*

**Lotioncrafter provides the information contained herein in good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information LOTIONCRAFTER MAKES NO REPRESENTATIONS OR WARRANTIES, EITHER EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION ANY WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE INFORMATION SET FORTH HEREIN OR THE PRODUCT TO WHICH THE INFORMATION REFERS. ACCORDINGLY, LOTIONCRAFTER WILL NOT BE RESPONSIBLE FOR DAMAGES RESULTING FROM USE OF OR RELIANCE UPON THIS INFORMATION.**

\*\*\*\*\*